

ABSTRACT

Steam generated by a steam generating device is fed, through an outer circulation passage, to a heating chamber. The steam generating device is provided with a barrel shape pot having a flat, elongate horizontal cross section, a steam generating heater arranged in a bottom part of the pot, and a steam suction portion that extends, above the pot, in a direction in which the steam suction portion crosses an axis line of the pot. The steam suction portion is built with a plurality of steam suction ejectors that are each formed to penetrate the pot from one flat side to an opposite flat side. The steam that has exited from the steam suction ejector flows through a duct into a sub-cavity provided adjacent to the heating chamber, then is heated by a vapor heating heater provided in the sub-cavity, and is then blown into the heating chamber.